

Plankton Wars Worksheet

Plankton Name	Time(sec) to sink	Distance (cm)Depth of water	Rate (cm/sec)	Surface area (μm^2) of plankton	Volume (μm^3) of plankton
Your plankton:					
Final plankton winners:					

1. Find the rate it took for your plankton to travel through the photic zone.

$$\frac{\text{Distance}}{\text{Time}} = \text{Rate}$$

2. Record the measurements of your plankton

What is the length? _____ in Microns (μm) _____

What is the height? _____ in Microns (μm) _____

What is the width? _____ in Microns (μm) _____

What is the volume? _____ in Microns (μm^3) _____

What is the surface area? _____ in Microns (μm^2) _____

3. Hypotheses for plankton battles: Who do you think is going to win and why?

- 1.
- 2.
- 3.
- 4.
- 5.

4. Conclusions (Explain why surface area is important for plankton survival):